

A series of plants collected by Sr. Manuel Giler in the region of Cuenca, Ecuador (Prov. Azuay), February 1 & 2, 1945, at an elevation of about 2,500 meters. (These plants usually fairly common at elevations of several hundred meters above and below 2,500 m.) Notes by W.H. Camp. Cuenca)

✓ M. Giler No..... (Nos. 1-16, along the río Paute, a few km. east of/

1. Plants 30 cm. Fls scarlet, with yellow-orange on lower side.

2. Plants 3-4 m. Bracts green; corolla pale, nearly white; stigmas bright blue.

3. Tree 3 m. Lvs deep green above, paler below. Corolla pink. Fruits pungent-aromatic.

4. Plants spreading, about 30 cm. tall. Bracts green with purple mid-portions and tip. Rays lavender, very pale outside; disc-fls yellow-orange; pappus pale brown.

5. Shrubby, 2 m. Lvs bright green above, glaucous-pubescent below. Bracts green, tipped with brown. Fls. yellow.

6. Shrub 5 m.

7. Shrubby, 0.5 m. Standard deep yellow with blackish lines; laterals yellow; keel pale green.

8. Vine. Fls yellow.

9. Shrub 1.5 m.

10. Shrub 2 m. Perianth green.

11. Vine. Corolla white.

12. Shrub 1 m. Lvs dark green above, brownish-gray pubescent below. Standard pink, with green center; laterals pink; keel pale pink.

13. Plants 1 m. Ray and disc fls. yellow.

14. Vine. Fls scarlet.

15. Fls blue.

16. Shrub 2 m. Standard and laterals deep purple-blue; keel yellow-green.

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✓ (Nos. 17 - 40 Valley of the río Matadero, a few km. west of Cuenca.)

17. In soil. Perianth segments yellow, with salmon shades.

18. Tree 4 m. Lvs pale, subnitid above; nitid below.

19. Shrub 2.5 m. Lvs rugose-scabrid; deep green above, pale below. Corolla white.

- 4 20. Shrub 2 m. Lvs nitid above, dull below. Corolla white. Fruit turning deep purple.
- 5 *leg.* 21. Shrub 1 m. Corolla yellow.
- 1 22. Corolla pale purple.
- 1 23. Fls purple.
- 2 24. In water. Fls pale lavender.
- 3 *Bomarea* 25. Climbing vine. Lvs subglaucous. Outer perianth segments salmomy, tipped with green; inner segments clawed, yellow below, apically green with dark spots.
- 7 26. Lvs pale green. Corolla deep pink.
- 4 *sol.* 27. Shrub 1-3 m. Corolla tube green, lobes yellow. Fr. black when ripe.
- 4 28. Plants forming dense mats on soil. Lvs pale green. "Stipular bracts" white, chaffy.
- 2 *Fern* 29. On rocks.
- 6 30. In water; vine-like. Corolla yellow.
- 5 31. Sprawling on ground. Fls pale lavender.
- 2 *Cyper* 32. In damp places.
- 2 33. Epiphyte. Bracts red under the pale scales. Corolla lavender-pink.
- 5 *mimulus* 34. Subaquatic. Corolla yellow, with brown dots in throat on the lower segments.
- 1 *leg.* 35. Trailing. Stems red. Fls reddish-purple.
- 5 *mag.* 36. Corolla white in bud, becoming progressively more tinged with pink at anthesis, and finally being pale red as ~~xxx~~ it withers.
- 8 *alnus* 37. Trees 5-10 m. Lvs deep green above; brownish-pubescent below.
- 2 *Fern* 38. Epiphyte.
- 6 39. Shrub 2.5 m. Lvs deep green and rugulose above; gray-brown pubescent below. Fls deep blue.
- 4 40. Trailing. Fls white.

✓(Nos. 41 - 59, Valley of the río Tarqui, a few Km. south of Cuenca.)

- 1 41. Fls blue with violet veins.
- 2 42. Cuscuta. Stems yellow-orange; Fls cream-white. This on Rubiac. with white fls.
- 2 43. On wet soil. Corolla yellow with no (or only a few) dark dots in throat.  
43a *Anog.*
- 2 44. <sup>Comp</sup> Plant 2 m. Bracts green. Disc and ray fls yellow.
- 2 45. Vine. Lvs subsucculent, deep green above, pale below. Perianth white.
- 2 46. In water (no fls present).
- 2 47. <sup>leg</sup> Shrub 2 m. Stamen filaments cream below, pale red above.
- 1 48. <sup>Fern</sup> Epiphyte.  
48a *Fern. Epiphyte*
- 2 49. <sup>Fern</sup> Epiphyte.
- 2 50. <sup>Orchid</sup> Epiphyte. The six perianth segments yellowish, with reddish dots and stripes; the central crests deep red.
- 1 51. Fls yellow.
- 2 52. Plants to 0.5 m. Fls deep bluish-purple.
- 5 53. Tree 2 m. Fls pale magenta.
- 6 54. Plant 1 m. Inf. bracts pale silvery-green.
- 2 55. Trailing. Fls white.
- 3 56. Plant 1 m. Lvs green with red veins. Inflorescence purple-red.
- 2 57. Tree 4 m. Corolla very pale pink, or individual fls nearly white.
- 6 58. <sup>leg</sup> Shrub 2 m. <sup>Corolla</sup> ~~fls~~ yellow. Anthers brown.
- 3 59. <sup>Fern</sup> In a stone wall.

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Cinchona Proj

*Prinoscedium phyllodium*

M. L. Grant 10,857 Type

USNH

Bull Tor. Bot Club 71 p. 65

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